Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A composite component having a negative effective Poisson's ratio, the composite component including a first component and a second component, the first component and the second component extending longitudinally relative to an axis, the first component being provided around the second component through one or more turns, the one or more turns being spaced longitudinally relative to the axis, wherein variation in tensile or compressive load on the first component causing variation in radial position of the second component relative to the ~~axis.~~ axis;

wherein the variation in the tensile or compressive load on the first component causing variation in the diameter of the helix of the first component, the variation in the diameter of the helix of the first component causing the second component to form a helix and causing variation in the diameter of the helix of the second component, so that the diameter of the second component helix increases as the diameter of the first component helix decreases and the diameter of the second component helix decreases as the diameter of the first component helix increases;

wherein the diameter and cross-sectional area of the first component is less than that of the second component.

2. (Currently amended) A composite component according to claim 1, in which the first component ~~has a higher modulus of elasticity than the second component~~ comprises a diameter from 0.01 times the diameter of the second component.

3. (Currently amended) A composite component according to claim 1 ~~having the first component arranged around the second component in a helical manner, wherein the variation in the tensile or compressive load on the first component causing variation in the diameter of the helix of the first component, the variation in the diameter of the helix of the first component causing the second component to form a helix and/or causing~~

~~variation in the diameter of the helix of the second component, so that the diameter of the second component helix increases as the diameter of the first component helix decreases and the diameter of the second component helix decreases as the diameter of the first component helix increases~~ In with the first component comprises a cross-sectional area from 0.001 times the cross-sectional area of the second component.

4. (Previously presented) A composite component according to claim 1, in which the first component is provided around the second component by applying and/or wrapping and/or covering and/or spinning.

5. (Previously presented) A composite component according to claim 1, in which the first component is a fibre, rod or hollow tube of a relatively high modulus material and the second component is a fibre, rod or hollow tube of an intermediate or a low modulus material compared with the first component material.

6. (Previously presented) A composite component according to claim 1, in which the axis is provided through a core component.

7. (Previously presented) A composite component according to claim 3, in which the variation in radial position is an increase in displacement of at least a part of the second component relative to the axis when the load is varied, with the variation being an increase when the load is a tensile load and a decrease when the load is a compressive load.

8. (Previously presented) A composite component according to claim 3, in which the variation in radial position is a decrease in displacement of at least a part of the second component from the axis when the load is varied, with the variation being a decrease when the load is a tensile load and an increase when the load is a compressive load.

9-24 (Cancelled).